

AMENDMENTS TO THE SPECIFICATION

Please insert the Sequence Listing (page 1) submitted herewith at the end of the application after the abstract.

Please replace paragraph [0048] with the following amended paragraph:

[0001] The term "peptide" refers to a compound that contains 2 to 50 amino acids and/or imino acids connected to one another. The amino acids can be selected from the 20 naturally occurring amino acids. The twenty conventional amino acids and their abbreviations follow conventional usage. See *Immunology - A Synthesis* (2nd Edition, E.S. Golub and D.R. Gren, Eds., Sinauer Associates, Sunderland, Mass. (1991)), which is incorporated herein by reference. The amino acids can also be selected from non-natural amino acids such as those found on the following website: http://www.sigmaaldrich.com/img/assets/6040/chemFiles_vln5_unnaturalaa_small.pdf). Although not an exhaustive list, examples of peptides include glycine-tyrosine, valine-tyrosine-valine, tyrosine-glycine-glycine-phenylalanine-methionine (SEQ ID NO: 1), tyrosine-glycine-glycine-phenylalanine-leucine (SEQ ID NO: 2) and aspartic acid-arginine-valine-tyrosine-isoleucine-histidine-proline-phenylalanine (SEQ ID NO: 3).

Please replace paragraph [0070] with the following amended paragraph:

[0070] The term "photokinetic" refers to a change in the rate of motion in response to light, as an increase or decrease in motility with a change in illumination.

Please replace paragraph [0080] with the following amended paragraph:

~~[0002]~~ ⁰⁰⁸⁰ Similarly, in another embodiment of the invention, the biologically active substance is a peptide selected from the group consisting of glycine-tyrosine (Gly-Tyr), valine-tyrosine-valine (Val-Tyr-Val), tyrosine-glycine-glycine-phenylalanine-methionine (Tyr-Gly-Gly-Phe-Val Met) (SEQ ID NO: 1), tyrosine-glycine-glycine-phenylalanine-leucine (Tyr-Gly-Gly-Phe-Leu) (SEQ

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